



317109



April 10, 2007

Mr. Timothy Fischer  
U. S. EPA - Region 5  
77 West Jackson Boulevard (SR-6J)  
Chicago, Illinois 60604-3590

**Re: Sauget Sites Area I - January 21, 1999 Administrative Order by Consent (AOC)  
Monthly Report March 1 – March 31, 2007**

Dear Mr. Fischer:

Enclosed is the Sauget Sites Area I Monthly Report for the March 2007 reporting period. This submittal is in fulfillment of the monthly requirements of Section 2.4 Reporting, of the January 21, 1999 Final Administrative Order by Consent for Sauget Sites Area I, Sauget and Cahokia, Illinois.

Sincerely,

Steven D. Smith  
Project Coordinator

**cc:** Kevin Turner – USEPA  
Tim Gouger - USACE  
Sandra Bron - IEPA  
Dave Webb - IDPH  
Mike Coffey - USF&W  
Richard Williams - Solutia  
Cathleen Bumb - Solutia  
Mayor Frank Bergman - Cahokia, IL  
Village of Sauget - c/o P. H. Weis & Associates (Attn: Brian Nelson)  
Mayor R. Sauget - Sauget, IL  
L. Glen Kurowski - Monsanto  
Linda Tape - Husch & Eppenberger

## **Sauget Sites Area I - Sauget, Illinois**

### **AOC - EECA / RIFS**

#### **Status Report**

**Date of Report:** April 10, 2007  
**Period Covered:** March 1, 2007 - March 31, 2007

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#### **Work Performed during the Reporting Period**

The revised Soil Vapor Investigation Work Plan, incorporating all of the Agencies' approved changes was submitted to the Agencies on March 7, 2007.

Soil vapor sampling activities started on November 29<sup>th</sup>. Sampling was completed on December 11<sup>th</sup>. A data report summarizing the results of the field investigation and providing the analytical data was submitted to the EPA on March 12, 2007, while a Technical Memorandum summarizing the results of a human health evaluation was submitted on March 19<sup>th</sup>.

DNAPL recovery continued at BR-I via the Agency approved work plan March pumping of BR-I took place on March 2<sup>nd</sup> and 8<sup>th</sup>. Twenty-seven (27) gallons of fluids were removed on March 2<sup>nd</sup>. Based on the results thus far, it appears that the DNAPL is recovering at a rate of between one half and one gallon per day. On March 8<sup>th</sup>, three 3.5 gallon calibrated buckets were each filled with liquid pumped from that well and the buckets were then covered and stored next to the well. The purpose of this was to allow one week for phase separation to occur in the buckets and then to accurately measure the DNAPL thickness. This was done on March 15<sup>th</sup> and the results indicated that each bucket contained 1/8 gallon or less of DNAPL, representing 3.6 percent or less of the total volume of 3.5 gallons in each bucket. A report summarizing the results of the pumping tests is being prepared and will be submitted in April.

Comments were received on February 20<sup>th</sup> from the Agency on the Work Plan for an investigation in the utility corridor between Sites H and I. Responses to those comments were submitted on February 23<sup>rd</sup> and approval of those responses was provided by the Agency on March 15<sup>th</sup>. A revised Work Plan incorporating the approved changes was submitted for review and approval on March 22<sup>nd</sup>.

A revised Sampling Plan for evaluating the potential for cadmium to leach from vadoze zone soils to groundwater was submitted to the Agency on June 8, 2006 and comments on that plan were received on March 27, 2007. A second revision to the Sampling Plan is being prepared and will be submitted to the Agency in April.

## **Attachments**

There are no Technical Memoranda or data submitted with this report.

## **Work Scheduled for Next Reporting Period**

- Prepare and submit a report presenting the results of the DNAPL recovery efforts at BR-I. .
- Prepare an Ecological Risk Assessment Tech Memo for Dead Creek that integrates the results of the most recent creek bottom soil removal and provides the derivation of the risk based concentrations used to define the extent of those excavations.

## **Submittal Status**

- A report on the DNAPL recovery efforts at well BR-I will be submitted in April.
- A second revision to the Sampling Plan for evaluating the potential for cadmium to leach from vadoze zone soils to groundwater will be submitted in April.